L Number	Hits 35		DB	Time stamp
	5.	ridge near6 (clad cladding) and algan and (light-emitting light adj emitting) and	USPAT;	2003/07/07 09:
		ridge.ti,ab,clm.	US-PGPUB;	
		-1490. C1/4D/C1m.	EPO; JPO;	
			DERWENT;	
14	12432	2 ((372/43) or (372/44) or (372/45) or	IBM_TDB USPAT;	0000/05/05
		(372/46) or (372/47) or (372/48) or	US-PGPUB;	2003/07/07 09:5
		(372/49) or (372/50)).CCLS.	EPO; JPO;	
ĺ			DERWENT;	
ļ į			IBM TDB	
15	32		USPĀT;	2003/07/07 10:4
		(372/46) or (372/47) or (372/48) or	US-PGPUB;	2003/07/07 10.4
		(372/49) or $(372/50)$).CCLS.) and	EPO; JPO;	
		ridge.ti,ab,clm. and nitride and (clad	DERWENT;	
		cladding) near10 (micron micrometer nm	IBM TDB	
16	4	nanometer)	_	
10	4	1 (USPAT	2003/07/07 10:4
17	4	US-6044098-\$ or US-6052399-\$).did.		
1'	4	((US-5953357-\$ or US-6031858-\$ or	USPAT;	2003/07/07 11:1
		US-6044098-\$ or US-6052399-\$).did.) and	US-PGPUB;	
		ridge.ti,ab,clm. and nitride and (clad	EPO; JPO;	
		cladding) near10 (micron micrometer nm nanometer)	DERWENT;	
18	2		IBM_TDB	
-	2	(0200000).FN.	USPAT;	2003/07/07 11:1
			US-PGPUB;	
ļ			EPO; JPO;	
1			DERWENT;	
- 1	2	(("5578839") or ("5777350")).PN.	IBM_TDB USPAT	2002/02/02 1: 5
-	14	((cladding adj layer near12 algan) near12	USPAT;	2002/02/23 14:0
		(al or aluminum or aluminium)) near12	US-PGPUB;	2002/02/23 14:5
		(content or percent\$3 or ratio)	EPO; JPO;	
		, ,	DERWENT;	
			IBM TDB	
-	14	(((cladding adj layer near12 algan) near12	USPAT;	2002/02/23 15:0
		(al or aluminum or aluminium)) near12	US-PGPUB;	-111, 12, 23 15.0
i		(content or percent\$3 or ratio)) and	EPO; JPO;	
		nitride	DERWENT;	
-	97	optical add guida add laws	IBM_TDB	
1	5,	optical adj guide adj layer and light adj emitting adj device	USPAT;	2002/02/23 15:0
1		confecting adj device	US-PGPUB;	
			EPO; JPO;	
			DERWENT; -I-BM-TDB	
-	97	((aluminum or al or aluminium) with	USPAT;	2002/02/23 15:08
		composition adj ratio) and light adj	US-PGPUB;	2002/02/23 15:0
	}	emitting adj device	EPO; JPO;	
	ļ		DERWENT;	
_	_		IBM TDB	
-	58		USPAT;	2002/02/23 15:34
		composition adj ratio) and light adj	US-PGPUB;	12, 23, 23, 3,
ĺ		emitting adj device) and nitride	EPO; JPO;	
			DERWENT;	
_	194	(composition matic as 10 / 1	IBM_TDB	
	194	(composition ratio near12 (al or aluminum	USPAT;	2002/02/23 15:36
		or aluminium)) near12 (cladding adj layer) and nitride	US-PGPUB;	
	1	THE TIME	EPO; JPO;	
			DERWENT;	
	9	(composition ratio near8 (al or aluminum	IBM_TDB	0000 (00);
	-	or aluminium)) near8 (cladding adj layer)	USPAT;	2002/02/23 16:43
1		and (nitride same light adj emitting) and	US-PGPUB;	
		crack\$3 and band adj gap and refractive	EPO; JPO;	
1		adj index	DERWENT;	
. 1	1	nitride.ti,ab. and light adj	IBM_TDB USPAT;	2002/02/22 16 54
l l		emitting.ti,ab. and ((aluminum near12	US-PGPUB;	2002/02/23 16:51
			GO FUTURE !	
		cladding) near12 (thick or thickness))		
		cladding) near12 (thick or thickness))	EPO; JPO; DERWENT;	

near12 cladding) near12 (thick or thickness) and nitride					
	-	7	light adj emitting.ti,ab. and ((aluminum	USPAT:	2002/02/23 17:45
Thickness) and nitride			near12 cladding) near12 (thick or		1002,02,23 17.43
Chand adj gap near12 indium) near12			thickness)) and nitride		
Tem Tob SPAT; (algainn or alingan or gainaln or logaaln) SPAT; (SP-SGUB; EFO, JPO; DERMENT; SPAT;					
2 (bard adj gap near12 indium) near12 (laqainn or alingan or gainaln or ingaaln) USPAT; USPGUB; EPO; JPO; DERMENT; ERD TOB USPAT; USPO; JPO; DERMENT; ERD TOB USPAT; USPA					
	-	2	(band adi gap near12 indium) near12		2002/02/22 10:05
Same				1	2002/02/23 18:05
DERMENT; IDM TIDB USPAT; US-FEFOUB; EPC; JFO; DERMENT; IDM TIDB USPAT; US-FEFOUB; EPC; JFO; DERMENT; IDM TIDB USPAT; US-FEFOUB; EPC; JFO; DERMENT; IDM TIDB USPAT; US-FEFOUB; Idpt-emitting; ti,ab. EPC; JFO; DERMENT; IDM TIDB USPAT; US-FEFOUB; Idpt-emitting; ti,ab. EPC; JFO; DERMENT; IDM TIDB USPAT; US-FEFOUB; Idpt-emitting; ti,ab. And nitride EPC; JFO; JFO; DERMENT; IDM TIDB USPAT; US-FEFOUB; EPC; JFO; JFO; DERMENT; IDM TIDB USPAT; US-FEFOUB; EPC; JFO; JFO; DERMENT; US-FEFOUB; EPC; JFO; JFO; DERMENT; IDM TIDB USPAT; US-FEFOUB; USPAT; U			(drydrin or dringdi or garnarii or migaarii)		
See 3667.pn. See 367.pp. See 36	i	1			
002/02/23 19: 002/02/23 19	Ī				
US-GCPUB; EPO; JBO; DERMENT; IBM TDB USFAT; US-FCPUB; Idpt-emitting).ti,ab. and nitride EPO; JBO; JBO; JBO; JBO; JBO; JBO; JBO; JB	_	9	5886367 pp		
A algainn noar12 refractive adj index	1	3	3000307.pit.		2002/02/23 19:41
A algainn nearl2 refractive adj index					
18M TDB 2002/02/23 19:10 19 2002/02/23 19:10 2002/02/23 20:10 2002/02/23 20:1		1		1	
101				1	
US-PGFUB; PPG, JPG, DERWENT; IBM TDB USPAT; US-PGFUB; EPG, JPG, DERWENT; Iayer) and light adj (emitting or light-emitting).ti,ab. USPAT; U				IBM_TDB	
101 Coptical adj guide near12 active adj DSPAT; D	-	4	algainn near12 refractive adj index	USPAT;	2002/02/23 19:09
101 (optical adj guide near12 active adj layer) and light adj (emitting or light-emitting).ti,ab. 2002/02/23 19:1 2002/02/23 20:1 20				US-PGPUB;	
101 (optical adj guide near12 active adj layer) and light adj (emitting or light-emitting).ti,ab. 2002/02/23 19:1 2002/02/23 20:1					
101 (optical adj guide nearl2 active adj layer) and light adj (emitting or light—emitting).ti,ab. 2002/02/23 19:: 2002/02/23 19:: 2002/02/23 19:: 2002/02/23 19:: 2002/02/23 19:: 2002/02/23 19:: 2002/02/23 19:: 2002/02/23 19:: 2002/02/23 19:: 2002/02/23 19:: 2002/02/23 19:: 2002/02/23 19:: 2002/02/23 19:: 2002/02/23 19:: 2002/02/23 19:: 2002/02/23 20::					
101 (optical adj guide near12 active adj layer) and light adj (emitting or light-emitting).ti,ab. 2002/02/23 19:1 2002/02/23 20:1					
layer and light adj (emitting or light-emitting).ti,ab. 22 22 22 23 20 20 20 20	-	101	(optical adj guide near12 active adj		2002/02/23 19.11
light-emitting).ti,ab.	1		layer) and light adi (emitting or	•	2002/02/23 19:11
Coptical adj guide near6 active adj layer DERMENT; IBM TDB USPĀT; US-FGPUB; EPG; JPG; DERMENT; IBM TDB USPĀT;		1	light-emitting) ti.ab.		
Coptical adj guide near6 active adj layer Coptical adj guide near6 active adj layer Coptical adj guide near6 active adj layer Coptical adj ight adj (emitting) critical adj layer and light adj emitting Coptical adj layer Coptical adj layer Coptical adj emitting	1		J =g, (c1/ub)		1
Coptical adj guide near6 active adj layer and light adj (emitting or light-emitting).ti,ab. and nitride Coption Coptio	1			·	
and light adj (emitting or light-emitting).ti,ab. and nitride	1 -	22	(ontical add quido noone potition add)		0000 100 155
light-emitting).ti,ab. and nitride	1	1	and light add (omitting and		2002/02/23 19:11
DERMENT; LIBM TDB US-FGPUB 2002/02/23 20:5 US-FGPUB EEPO; JPO; DERWENT; IIM TDB US-FGPUB EEPO; JPO; DERWENT IIM TDB US-FGPUB E		1	light omitting or		
TBM TDB			industrial industria		
S				1	
Comparison of the comparison		_	The second of th		
- 623 ((257/96) or (257/97)).CCLS. SPAT; US-PGPUB; EPO; JPO; DERWENT; IEM TDB USPAT; US-PGPUB; EPO; JPO; DE	-	5	hayashi.in. and light adj emitting.ti,ab.	US-PGPUB	2002/02/23 20:48
S-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; USPAGENENT; IBM TDB USPAT;	-	623	((257/96) or (257/97)).CCLS.		2002/02/23 20:51
A78				1	
DERWENT; IBM TDB USPAT:				1	
A78					
1					
1 1 1 1 2 2 2 2 2 2	_	478	((257/96) or (257/97)).CCLS.		2002/02/23 20-54
Comparison of the content of the c	~		leakage and ((("257/96") or		
Cleakage and ((("257/96") or ("257/97")).CCLS.)) and leakage adj3 layer CSPGFUB; USPAT; U			("257/97")).CCLS.)		2002/02/23 21:00
4 (leakage and ((("257/96") or ("257/97")).CCLS.)) and leakage adj3 layer 0 ((leakage and ((("257/96") or ("257/97")).CCLS.)) and leakage adj3 layer 1 (leakage and ((("257/96") or ("257/97")).CCLS.)) and leakage adj3 layer 1 (leakage and ((("257/96") or ("257/97")).CCLS.)) and leakage adj3 layer layer) and nitride 1 (leakage adj current and nitride and active adj layer and light adj emitting 2 (leakage adj current and nitride and active adj layer and light adj emitting and (aluminum or al) 4 (leakage adj current and nitride and active adj layer and light adj emitting.ti, ab. and (aluminum or al) 4 (leakage adj current and nitride and active adj layer and light adj emitting.ti, ab. and (aluminum or al) 4 (leakage adj current and nitride and active adj layer and light adj emitting and leakage adj2 (layer or film) 4 (leakage adj2 (layer or film)					
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4 (leakage and ((("257/96") or ("257/97")).CCLS.)) and leakage adj3 layer 0 ((leakage and ((("257/96") or ("257/97")).CCLS.)) and leakage adj3 layer lBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; US-P		1			}
("257/97")).CCLS.)) and leakage adj3 layer ("257/97")).CCLS.)) and leakage adj3 layer ((leakage and ((("257/96") or ("257/97")).CCLS.)) and leakage adj3 layer) and nitride ("257/97")).CCLS.)) and leakage adj3 layer and nitride ("257/97")).CCLS.)) and leakage adj3 layer) and nitride (USPAT; USPAT; USPGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; USPAT; USPGPUB; EPO; JPO; DERWENT; IBM TDB USPAT; USPGPUB; EPO; JPO; DERWENT; USPGPUB; EPO;	_	1	(leakage and ///"257/96")		0000/00/05
- 0 ((leakage and ((("257/96") or ("257/97")).CCLS.)) and leakage adj3 layer and light adj emitting and (aluminum or al) - 96 leakage adj current and nitride and active adj layer and light adj emitting and (aluminum or al) - 0 leakage adj current and nitride and active adj layer and light adj emitting.ti,ab. and (aluminum or al) - 0 leakage adj current and nitride and active adj layer and light adj emitting.ti,ab. and (aluminum or al) - 0 leakage adj current and nitride and active adj layer and light adj emitting.ti,ab. and (aluminum or al) - 0 leakage adj current and nitride and active adj layer and light adj emitting and leakage adj2 (layer or film) - 0 leakage adj2 (layer or film) EPO; JPO; DERWENT; IBM TDB USPĀT; US-PGPUB; EPO; JPO; DERWENT;			("257/97")) CCLS \\ and looker = -442 c		2002/02/23 21:06
O ((leakage and ((("257/96") or ("257/97")).CCLS.)) and leakage adj3 layer) and nitride 96 leakage adj current and nitride and active adj layer and light adj emitting 94 leakage adj current and nitride and active adj layer and light adj emitting and (aluminum or al) 95 leakage adj current and nitride and active adj layer and light adj emitting and (aluminum or al) 96 leakage adj current and nitride and active adj layer and light adj emitting and (aluminum or al) 97 leakage adj current and nitride and active adj layer and light adj emitting.ti,ab. and (aluminum or al) 98 leakage adj current and nitride and active adj layer and light adj emitting.ti,ab. and (aluminum or al) 99 leakage adj current and nitride and active adj layer and light adj emitting and leakage adj2 (layer or film) 90 leakage adj2 (layer or film) 91 leakage adj2 (layer or film) 92 leakage adj2 (layer or film) 94 leakage adj2 (layer or film) 95 leakage adj2 (layer or film) 96 leakage adj3 current and nitride and active adj layer and light adj emitting and leakage adj2 (layer or film)			(23//3/ //.coms.// and reakage adj3 layer		
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(aluminum or al) EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; US-PGPUB; EPO; JPO; DERWENT; DERWENT; DERWENT;			adi laver and light adi emitting and		2002/02/23 21:13
leakage adj current and nitride and active adj layer and light adj emitting.ti,ab. or leakage adj current and nitride and active adj layer and light adj emitting and layer and light adj emitting and leakage adj2 (layer or film) DERWENT; IBM TDB US-PGPUB; EPO; JPO; DERWENT; IBM_TDB US-PAT; US-PGPUB; EPO; JPO; DERWENT; DERWENT;		[(aluminum or al)	· · ·	
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adj layer and light adj emitting.ti,ab. and (aluminum or al) US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; DERWENT;	_	11	leakago adi gurrant and ait i		1
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DERWENT; IBM_TDB USPAT; adj layer and light adj emitting and leakage adj2 (layer or film) DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;			adj rayer and right adj emitting.ti,ab.	·	ŀ
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- 0 leakage adj current and nitride and active adj layer and light adj emitting and leakage adj2 (layer or film) IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;					1
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adj layer and light adj emitting and US-PGPUB; leakage adj2 (layer or film) EPO; JPO; DERWENT;	-	0	leakage adj current and nitride and active		2002/02/23 21.15
leakage adj2 (layer or film) EPO; JPO; DERWENT;	l		adj layer and light adj emitting and		_ , , , , , , , , , , , , , , , , , , ,
DERWENT;	ĺ		leakage adj2 (layer or film)		ł
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-	3	leakage adj current and active adj layer and light adj emitting and leakage adj2 (layer or film)	USPAT; US-PGPUB;	2002/02/23 21:16
		(layer or film)	EPO; JPO; DERWENT; IBM TDB	
-	35	<pre>nakamura.in. and (blue near6 light-emitting)</pre>	USPAT; US-PGPUB;	2002/02/24 11:33
			EPO; JPO; DERWENT;	
-	3	(nakamura.in. and (blue near6 light-emitting)) and leak\$3	IBM_TDB USPAT; US-PGPUB;	2002/02/24 11:48
			EPO; JPO; DERWENT;	
_	236	((leak\$3 near4 prevent\$3) near4 (layer or film)) and light adj emitting	IBM_TDB USPAT; US-PGPUB;	2002/02/24 11:51
		in the second state of the second sec	EPO; JPO; DERWENT;	
-	98	((leak\$3 near4 prevent\$3) near4 (layer or film)) and light adj emitting.ti,ab.	IBM_TDB USPAT; US-PGPUB;	2002/02/24 11:51
		and Taylor day Carreering, C1, db.	EPO; JPO; DERWENT;	
-	13	((leak\$3 near4 prevent\$3) near4 (layer or film)) and light adj emitting.ti,ab. and	IBM_TDB USPAT; US-PGPUB;	2002/02/24 11:57
		aluminum and nitride	EPO; JPO; DERWENT;	
_	47	((leak\$3 near4 prevent\$3) near4 (layer or film)).ti,ab. and light adj	IBM_TDB USPAT; US-PGPUB;	2002/02/24 11:58
		emitting.ti,ab.	EPO; JPO; DERWENT;	
-	5	((leak\$3 near4 prevent\$3) near4 (layer or film)).ti,ab. and light adj	IBM_TDB USPAT; US-PGPUB;	2002/02/24 12:46
		emitting.ti,ab. and nitride.ti,ab.	EPO; JPO; DERWENT;	
_	0	ridged adj portion near6 cladding adj layer	IBM_TDB USPAT; US-PGPUB;	2002/02/24 12:48
			EPO; JPO; DERWENT;	
_	1	ridged adj portion and light adj emitting.ti,ab. and nitride	IBM_TDB USPAT; US-PGPUB;	2002/02/24 13:25
			EPO; JPO; DERWENT;	
-	116	(multiple adj quantum adj well or mqw) with advantage	IBM_TDB USPAT; US-PGPUB;	2002/02/24 13:26
			EPO; JPO; DERWENT;	
-	6	((multiple adj quantum adj well or mqw) with advantage) and (light-emitting adj	IBM_TDB USPAT; US-PGPUB;	2002/02/24 14:02
		device or light adj emitting adj device).ti,ab.	EPO; JPO; DERWENT;	
-		electric adj field adj distribution with laser adj light with (mqw or multiple adj	IBM_TDB USPAT; US-PGPUB;	2002/02/24 14:03
		quantum adj well)	EPO; JPO; DERWENT; IBM TDB	
-	3	electric adj field adj distribution near12 (mqw or multiple adj quantum adj well)	USPĀT; US-PGPUB;	2002/02/24 14:09
			EPO; JPO; DERWENT; IBM TDB	

_	0	electric adj field adj distribution near12 (laser adj cavity)	USPAT; US-PGPUB; EPO; JPO;	2002/02/24 14:10
			DERWENT;	
_	4	hayashi.in. and nitride and light adj	IBM_TDB USPAT;	0000/00/04
	1	emitting and leak\$3	US-PGPUB;	2002/02/24 14:18
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	42	Table to the state of the state	USPAT;	2002/02/24 14:19
		and light adj emitting.ti,ab. and nitride and aluminum	US-PGPUB;	
			EPO; JPO; DERWENT;	
			IBM TDB	
-	20		USPAT;	2002/02/24 14:21
		near12 strip\$3) and light adj	US-PGPUB;	
		emitting.ti,ab. and nitride and aluminum	EPO; JPO;	•
			DERWENT;	
-	13	(current adj blocking adj (film or layer)	USPAT;	2002/02/24 14:26
		near12 strip\$3) and light adj	US-PGPUB;	2002/02/24 14.20
		emitting.ti,ab. and nitride and aluminum	EPO; JPO;	
		and (blue or violet)	DERWENT;	
_	6	((current adj blocking adj (film or layer)	IBM_TDB	2002/00/04 14 25
		near12 strip\$3) near12 (window or	USPAT; US-PGPUB;	2002/02/24 14:35
İ		opening)) and light adj emitting.ti.ab.	EPO; JPO;	
		and nitride and aluminum and (blue or	DERWENT;	
ĺ_	0	violet)	IBM_TDB	
1	0	(((current adj blocking adj (film or layer) near12 strip\$3) near12 (window or	USPAT;	2002/02/24 15:39
		opening)) near12 advantage) and light adj	US-PGPUB; EPO; JPO;	
		emitting.ti,ab.	DERWENT;	
	2.7		IBM_TDB	
-	37	optical adj guide adj (layer or film) near12 (contact adj layer or electrode)	USPAT;	2002/02/24 15:41
		and light adj emitting.ti,ab.	US-PGPUB; EPO; JPO;	
		, , , , , , , , , , , , , , , , , , ,	DERWENT;	
	1.5		IBM_TDB	
-	16	optical adj guide adj (layer or film) near12 (contact adj layer or electrode)	USPAT;	2002/02/24 16:03
		and light adj emitting.ti,ab. and nitride	US-PGPUB; EPO; JPO;	
:			DERWENT;	
	0.5		IBM_TDB	
_	345	(257/81).CCLS.	USPAT;	2002/02/24 16:04
			US-PGPUB; EPO; JPO;	
]		DERWENT;	
			IBM_TDB	
_	796	(257/82).CCLS.	USPĀT;	2002/02/24 16:04
			US-PGPUB;	
			EPO; JPO; DERWENT;	
			IBM TDB	
-	665	(257/94).CCLS.	USPAT;	2002/02/24 16:04
			US-PGPUB;	
			EPO; JPO;	
			DERWENT; IBM TDB	
	233	(257/95).CCLS.	USPAT;	2002/02/24 16:04
-	,		US-PGPUB;	
-	1		•	
-			EPO; JPO;	1
-			DERWENT;	
-	1332	(257/99), CCLS	DERWENT; IBM_TDB	2002/02/24 15 2
-	1332	(257/99).CCLS.	DERWENT; IBM_TDB USPAT;	2002/02/24 16:04
-	1332	(257/99).CCLS.	DERWENT; IBM_TDB	2002/02/24 16:04
-	1332	(257/99).CCLS.	DERWENT; IBM_TDB USPAT; US-PGPUB;	2002/02/24 16:04

_	922	(257/103).CCLS.	USPAT; US-PGPUB; EPO; JPO;	2002/02/24 16:04
_	1122	(372/75).CCLS.	DERWENT; IBM_TDB USPAT; US-PGPUB;	2002/02/24 16:04
-	461	(257/79).CCLS.	EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB;	2002/02/24 16:05
	461	(257/79).CCLS.	EPO; JPO; DERWENT; IBM_TDB	
	401	(237779).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/02/24 16:05
=	187 5496	\\ \	USPAT USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/02/24 16:10 2002/02/24 16:11
_	54	((("257/80").CCLS.) or (("257/81").CCLS.) or (("257/82").CCLS.) or (("257/94").CCLS.) or (("257/94").CCLS.) or (("257/99").CCLS.) or (("257/103").CCLS.) or (("372/75").CCLS.) or (("257/79").CCLS.) or (("257/79").CCLS.) or (("257/79").CCLS.) and optical adj guide adj (layer or film)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/02/24 16:58
-	5	((("257/80").CCLS.) or (("257/81").CCLS.) or (("257/82").CCLS.) or (("257/94").CCLS.) or (("257/94").CCLS.) or (("257/99").CCLS.) or (("257/103").CCLS.) or (("372/75").CCLS.) or (("257/79").CCLS.) or (("257/79").CCLS.) or (("257/79").CCLS.)) and (clad\$4 adj (layer or film) near12 disadvantage)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/02/24 17:45
		-61 -7-72 92.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/02/24 18:03
_	3	5886367.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/02/24 21:27
-	2	6069394.pn.	USPĀT; US-PGPUB; EPO; JPO; DERWENT;	2002/02/24 21:27
-		(US-6258619-\$ or US-5578839-\$ or US-5777350-\$ or US-6242761-\$ or US-6084252-\$ or US-6107644-\$ or US-6172382-\$ or US-6232623-\$ or US-6054716-\$ or US-6054716-\$ or US-6060730-\$ or US-6307219-\$ or US-6298079-\$ or US-672197-\$ or US-6323052-\$ or US-5874747-\$ or US-6323052-\$ or US-6281032-\$ or US-5537433-\$ or US-5886367-\$ or US-6069394-\$ or US-6083841-\$).did. or (US-20020003234-\$).did.	IBM_TDB USPAT; US-PGPUB	2002/10/11 15:35

_	113	(band adj gap or band adj energy or energy adj gap) same (ingan or gainn) same gan	USPAT; US-PGPUB; EPO; JPO;	2002/10/11 15:38
			DERWENT;	
	7.0		IBM_TDB	
_	72	(band adj gap or band adj energy or energy adj gap) same (ingan or gainn) same gan	USPAT;	2002/10/11 15:39
		same (light-emitting or light adj emitting	US-PGPUB; EPO; JPO;	
		or active)	DERWENT;	
			IBM TDB	
_	43		USPAT;	2002/10/11 15:40
		adj gap) same (ingan or gainn) same gan	US-PGPUB;	
		same active adj layer	EPO; JPO;	
			DERWENT; IBM TDB	
-	13	(band adj gap or band adj energy or energy	USPAT;	2002/10/11 16:35
		adj gap) same (ingan or gainn) same gan	US-PGPUB;	
		same active adj layer same (higher or	EPO; JPO;	
		lower)	DERWENT;	
_	1	gan near12 guid\$3 adj layer same (ingan or	IBM_TDB USPAT;	2002/10/11 16:20
	1	gainn) near12 active adj layer and	US-PGPUB;	2002/10/11 16:39
		electrode near12 guid\$3 adj layer	EPO; JPO;	
			DERWENT;	
	2.5	10 110	IBM_TDB	
_	35	gan near12 guid\$3 adj layer same (ingan or gainn) near12 active adj layer	USPAT;	2002/10/11 17:31
		gariii) Heariz accive adj layer	US-PGPUB; EPO; JPO;	
			DERWENT;	
			IBM_TDB	
_	4479	((257/79) or (257/80) or (257/81) or	USPAT;	2002/10/11 17:33
		(257/82) or (257/94) or (257/95) or (257/99) or (372/103)).CCLS.	US-PGPUB; EPO; JPO;	
		(2077)) 01 (37271037).0013.	DERWENT;	
			IBM TDB	
-	5	(((257/79) or (257/80) or (257/81) or	USPAT;	2002/10/11 17:41
		(257/82) or (257/94) or (257/95) or (257/99) or (372/103)).CCLS.) and (optical	US-PGPUB;	
		adj guide or guid\$3 adj layer) near12	EPO; JPO; DERWENT;	
		ridge	IBM TDB	
_	48	(((257/79) or (257/80) or (257/81) or	USPAT;	2002/10/11 17:42
		(257/82) or (257/94) or (257/95) or	US-PGPUB;	
		(257/99) or (372/103)).CCLS.) and (optical adj guide or guid\$3 adj layer) and ridge	EPO; JPO; DERWENT;	
		day garde of gardys day rayer, and rrage	IBM TDB	<u> </u>
_	2217	((257/79) or (257/81) or (257/99)).CCLS.	USPAT;	2002/10/12 19:40
			US-PGPUB;	
			EPO; JPO;	
			DERWENT; IBM TDB	
_	2595	guid\$3 near1 layer and contact	USPAT;	2002/10/12 19:41
			US-PGPUB;	
			EPO; JPO;	
			DERWENT; IBM TDB	
		(((257/79) or (257/81) or (257/99)).CCLS.)	USPAT;	2002/10/12 21:18
_	42		002111	2002/10/12 21.10
_	42	and (guid\$3 near1 layer and contact)	US-PGPUB;	
_	42		US-PGPUB; EPO; JPO;	
-	42		EPO; JPO; DERWENT;	
_		and (guid\$3 near1 layer and contact)	EPO; JPO; DERWENT; IBM_TDB	2002/10/12 01 10
-	2		EPO; JPO; DERWENT; IBM_TDB USPAT;	2002/10/12 21:18
-		and (guid\$3 near1 layer and contact)	EPO; JPO; DERWENT; IBM_TDB	2002/10/12 21:18
-		and (guid\$3 near1 layer and contact)	EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2002/10/12 21:18
-	2	and (guid\$3 near1 layer and contact) ("6266355").PN.	EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	
-		and (guid\$3 near1 layer and contact)	EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT;	2002/10/12 21:18
-	2	and (guid\$3 near1 layer and contact) ("6266355").PN.	EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB;	
-	2	and (guid\$3 near1 layer and contact) ("6266355").PN.	EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB USPAT;	

_	4439	ridge near12 thickness	USPAT; US-PGPUB; EPO; JPO;	2002/10/13 18:37
-	87	ridge near12 thickness and 257/\$6.ccls.	DERWENT; IBM_TDB USPAT; US-PGPUB;	2002/10/13 18:38
			EPO; JPO; DERWENT; IBM_TDB	
-	125	ridge near12 (thickness or thick) and 257/\$6.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2002/10/13 18:56
-	21	(US-5960020-\$ or US-6232623-\$ or US-6278137-\$ or US-6316785-\$ or US-5696626-\$ or US-5455433-\$ or US-5581116-\$ or US-4510519-\$ or US-4575919-\$ or US-4961197-\$ or US-5418374-\$).did. or (US-20020084452-\$ or	IBM_TDB USPAT; US-PGPUB; EPO; JPO	2002/10/13 18:58
_	21	US-20020125488-\$ or US-20010010373-\$ or US-20010010941-\$ or US-20010035532-\$ or US-2002003234-\$ or US-20020024052-\$ or US-20020053676-\$).did. or (EP-525779-\$).did. or (JP-61042179-\$).did. ((US-5960020-\$ or US-6232623-\$ or	USPAT;	2002/10/13 19:32
		US-6278137-\$ or US-6316785-\$ or US-5696626-\$ or US-5455433-\$ or US-5581116-\$ or US-4510519-\$ or US-4575919-\$ or US-4961197-\$ or US-5418374-\$).did. or (US-20020084452-\$ or US-20020125488-\$ or US-20010010373-\$ or US-20010010941-\$ or US-20010035532-\$ or US-2002003234-\$ or US-20020024052-\$ or US-20020053676-\$).did. or (EP-525779-\$).did. or	US-PGPUB; EPO; JPO	2002/10/13 19:32
_	89	(JP-61042179-\$).did.) and (thickness or thick) near12 ridge 257/\$6.ccls. and (thick or thickness) near6 ridge	USPAT; US-PGPUB;	2002/10/13 19:31
-	2	((US-5960020-\$ or US-6232623-\$ or US-6278137-\$ or US-6316785-\$ or	EPO; JPO USPAT; US-PGPUB;	2002/10/13 19:52
		US-5696626-\$ or US-5455433-\$ or US-5581116-\$ or US-4510519-\$ or US-4575919-\$ or US-4961197-\$ or US-5418374-\$).did. or (US-20020084452-\$ or US-20020125488-\$ or US-20010010373-\$ or US-20010010941-\$ or US-20020024052-\$ or US-2002003234-\$ or US-2002003676-\$).did. or (EP-525779-\$).did. or (JP-61042179-\$).did.) and (".mu.m" or micron or nm) near12 ridge	EPO; JPO	
-	7	257/\$6.ccls. and (purpose or advantage) near3 ridge	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/10/13 20:01
-	14	257/\$6.ccls. and ridge.ti.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/10/13 20:04
-	16	257/\$6.ccls. and (ridge and (light-emitting or light adj emitting)).ti,ab.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/10/13 20:06

_	2	("6266355").PN.	USPAT; US-PGPUB; EPO; JPO;	2002/10/14 13:31
			DERWENT;	
_	1881	laser.ti. and blocking adj layer.ti,ab,clm.	IBM_TDB USPAT; US-PGPUB;	2002/10/14 13:32
			EPO; JPO; DERWENT; IBM TDB	
-	16	laser.ti. and blocking adj layer.ti,ab,clm. and nitride.ti,ab,clm. and gallium and aluminum	USPAT; US-PGPUB; EPO; JPO;	2002/10/14 13:33
_	2	("5290393").PN.	DERWENT; IBM_TDB USPAT;	2002/10/14 14:09
			US-PGPUB; EPO; JPO; DERWENT; IBM TDB	
-	0	(algan near3 (clad or cladding) adj layer and (257/\$6.ccls. or 372/\$6.ccls.)).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2002/10/14 14:10
-	0	(algan near6 (clad or cladding) adj layer and (257/\$6.ccls. or 372/\$6.ccls.)).CCLS.	IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2002/10/14 14:10
_	151	algan near6 (clad or cladding) adj layer and (257/\$6.ccls. or 372/\$6.ccls.)	DERWENT; IBM_TDB USPAT; US-PGPUB;	2002/10/14 14:10
	37		EPO; JPO; DERWENT; IBM_TDB USPAT;	2002/10/14 14:22
-	37	and (257/\$6.ccls. or 372/\$6.ccls.) and laser.ti.	US-PGPUB; EPO; JPO; DERWENT;	2002/10/14 14:23
_	27	method.ti,ab,clm. near6 (algan or alumin\$um adj gallium adj nitride)	IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2002/10/14 15:26
			DERWENT;	
_	0	method.ti,ab,clm. near6 (algan or alumin\$um adj gallium adj nitride) near20 (low-temperature or low adj temperature)	IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2002/10/14 14:26
			DERWENT; IBM_TDB	0000/10/14 15 40
_	5631	(("6266355") or ("4961197") or ("5974069") or ("5812576") or ("6177359")).PN. ((372/45) or (372/46) or (372/47) or	USPAT;	2002/10/14 15:40
		(372/48) or (372/49)).CCLS.	US-PGPUB; EPO; JPO; DERWENT; IBM TDB	
-	1	(((372/45) or (372/46) or (372/47) or (372/48) or (372/49)).CCLS.) and (gainn or gallium adj indium adj nitride) near12 active and block\$3 adj layer near12 stripe and guid\$3 adj layer and clad\$4 adj layer near12 (algan or alumin\$um adj gallium adj	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/10/14 15:44
-	72	nitride) and ridge ridge near6 (clad cladding) and algan and (light-emitting light adj emitting)	USPAT; US-PGPUB; EPO; JPO;	2003/07/07 09:17
			DERWENT; IBM_TDB	

L Number	Hits		DB	Time stamp
1	2	("6266355").PN.	USPAT;	2002/10/14 13:3
I			US-PGPUB;	
			EPO; JPO;	
•			DERWENT;	
	1001		IBM_TDB	0000/10/11 10 0
2	1881	laser.ti. and blocking adj	USPAT;	2002/10/14 13:3
		layer.ti,ab,clm.	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
2	1.0		IBM_TDB	0000/10/14 10 0
3	16		USPAT;	2002/10/14 13:3
		layer.ti,ab,clm. and nitride.ti,ab,clm.	US-PGPUB;	
		and gallium and aluminum	EPO; JPO;	
			DERWENT;	
6	2	(#E300303#) PM	IBM_TDB	2002/10/14 14:0
0	2	("5290393").PN.	USPAT;	2002/10/14 14:0
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
7	0	(-1	IBM_TDB	0000/10/14 14 1
′	0	(algan near3 (clad or cladding) adj layer	USPAT;	2002/10/14 14:1
		and (257/\$6.ccls. or 372/\$6.ccls.)).CCLS.	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
	_	/-1	IBM_TDB	0000/10/11 11
8	0	(algan near6 (clad or cladding) adj layer	USPAT;	2002/10/14 14:1
		and (257/\$6.ccls. or 372/\$6.ccls.)).CCLS.	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
_	151		IBM_TDB	0000/40/4
9	151		USPAT;	2002/10/14 14:1
		and (257/\$6.ccls. or 372/\$6.ccls.)	US-PGPUB;	
ĺ			EPO; JPO;	
			DERWENT;	
1.0	2.5		IBM_TDB	
10	37	J	USPAT;	2002/10/14 14:2
		and (257/\$6.ccls. or 372/\$6.ccls.) and	US-PGPUB;	
		laser.ti.	EPO; JPO;	
			DERWENT;	
	0.7		IBM_TDB	
11	27	method.ti,ab,clm. near6 (algan or	USPAT;	2002/10/14 15:2
		alumin\$um adj gallium adj nitride)	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
	•		IBM_TDB	
12	0	····································	USPAT;	2002/10/14 14:2
		alumin\$um adj gallium adj nitride) near20	US-PGPUB;	
		(low-temperature or low adj temperature)	EPO; JPO;	
			DERWENT;	
, ,	-	(48.00.000.000.000.000.000.000.000.000.00	IBM_TDB	0000/15/15 15
13	5	(("6266355") or ("4961197") or ("5974069")	USPAT	2002/10/14 15:4
1.4		or ("5812576") or ("6177359")).PN.		0000/12/11: :-
14	5631	((372/45) or (372/46) or (372/47) or	USPAT;	2002/10/14 15:4
		(372/48) or (372/49)).CCLS.	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
15	1	(((372/45) or (372/46) or (372/47) or	USPAT;	2002/10/14 15:4
		(372/48) or (372/49)).CCLS.) and (gainn or	US-PGPUB;	
		gallium adj indium adj nitride) near12	EPO; JPO;	
		active and block\$3 adj layer near12 stripe	DERWENT;	
		and guid\$3 adj layer and clad\$4 adj layer	IBM_TDB	
		near12 (algan or alumin\$um adj gallium adj	_	
		nitride) and ridge		-
-	2	,, , - , - , , ,	USPAT	2002/02/23 14:05
-	14	((cladding adj layer near12 algan) near12	USPAT;	2002/02/23 14:50
		(al or aluminum or aluminium)) near12	US-PGPUB;	
		(content or percent\$3 or ratio)	EPO; JPO;	1
		(content of percents of facto)	шо, ого,	
		(concent of percents of facto)	DERWENT;	

_	14	(((cladding adj layer near12 algan) near12 (al or aluminum or aluminium)) near12 (content or percent\$3 or ratio)) and	USPAT; US-PGPUB; EPO; JPO;	2002/02/23 15:05
		nitride	DERWENT;	
_	97	optical adj guide adj layer and light adj emitting adj device	IBM_TDB USPAT; US-PGPUB;	2002/02/23 15:07
		emitting adj device	EPO; JPO; DERWENT;	
			IBM_TDB	
_	97	composition adj ratio) and light adj	USPAT; US-PGPUB;	2002/02/23 15:08
		emitting adj device	EPO; JPO; DERWENT;	
			IBM_TDB	
_	58	((the second of the second o	USPAT;	2002/02/23 15:34
		composition adj ratio) and light adj emitting adj device) and nitride	US-PGPUB; EPO; JPO;	
			DERWENT;	
_	194	(composition ratio near12 (al or aluminum	IBM_TDB USPAT;	2002/02/23 15:36
		or aluminium)) near12 (cladding adj layer)	US-PGPUB;	2002/02/23 13.30
		and nitride	EPO; JPO;	
			DERWENT; IBM TDB	
-	9	(++	USPAT;	2002/02/23 16:43
		or aluminium)) near8 (cladding adj layer) and (nitride same light adj emitting) and	US-PGPUB; EPO; JPO;	
		crack\$3 and band adj gap and refractive	DERWENT;	
	-	adj index	IBM_TDB	
_	1	nitride.ti,ab. and light adj emitting.ti,ab. and ((aluminum near12	USPAT; US-PGPUB;	2002/02/23 16:51
		cladding) near12 (thick or thickness))	EPO; JPO;	
			DERWENT;	
_	7	light adj emitting.ti,ab. and ((aluminum	IBM_TDB USPAT;	2002/02/23 17:45
		near12 cladding) near12 (thick or	US-PGPUB;	2002/02/23 17.43
		thickness)) and nitride	EPO; JPO; DERWENT;	
			IBM TDB	
-	2	(band adj gap near12 indium) near12 (algainn or alingan or gainaln or ingaaln)	USPĀT;	2002/02/23 18:05
		(argains of arringass of garmars or ingaain)	US-PGPUB; EPO; JPO;	
			DERWENT;	
_	3	5886367.pn.	IBM_TDB USPAT;	2002/02/23 19:41
		•	US-PGPUB;	2002/02/25 15.41
			EPO; JPO;	
			DERWENT; IBM TDB	
-	4	algainn near12 refractive adj index	USPĀT;	2002/02/23 19:09
			US-PGPUB; EPO; JPO;	
			DERWENT;	
_	101	(optical adj guide near12 active adj	<pre>IBM_TDB USPAT;</pre>	2002/02/22 10 11
	-01	layer) and light adj (emitting or	US-PGPUB;	2002/02/23 19:11
		light-emitting).ti,ab.	EPO; JPO;	
			DERWENT; IBM TDB	
-	22	(optical adj guide near6 active adj layer)	USPAT;	2002/02/23 19:11
		and light adj (emitting or light-emitting).ti,ab. and nitride	US-PGPUB;	
		right emittering).tr,ab. and nitride	EPO; JPO; DERWENT;	
	5	hamaki in and 21 21 at the second	IBM_TDB	
	~ 1	hayashi.in. and light adj emitting.ti,ab.	US-PGPUB	2002/02/23 20:48
_	623	((257/96) or (257/97)).CCLS	HSPAT.	2002/02/22 20-51
-	Į,	((257/96) or (257/97)).CCLS.	USPAT; US-PGPUB;	2002/02/23 20:51
-	Į,	((257/96) or (257/97)).CCLS.	•	2002/02/23 20:51

_	478	((257/96) or (257/97)).CCLS.	USPAT	2002/02/23 20:54
_	50	leakage and ((("257/96") or ("257/97")).CCLS.)	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2002/02/23 21:00
-	4	(leakage and ((("257/96") or ("257/97")).CCLS.)) and leakage adj3 layer	IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2002/02/23 21:06
_	0	((leakage and ((("257/96") or ("257/97")).CCLS.)) and leakage adj3 layer) and nitride	DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2002/02/23 21:10
-	96	leakage adj current and nitride and active adj layer and light adj emitting	IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2002/02/23 21:14
-	94	leakage adj current and nitride and active adj layer and light adj emitting and (aluminum or al)	DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2002/02/23 21:13
-	41	leakage adj current and nitride and active adj layer and light adj emitting.ti,ab. and (aluminum or al)	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2002/02/23 21:13
-	0	leakage adj current and nitride and active adj layer and light adj emitting and leakage adj2 (layer or film)	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2002/02/23 21:15
-	3	leakage adj current and active adj layer and light adj emitting and leakage adj2 (layer or film)	IBM TDB USPAT; US-PGPUB; EPO; JPO;	2002/02/23 21:16
-	35	nakamura.in. and (blue near6 light-emitting)	DERWENT; IBM_TDB USPAT; US-PGPUB;	2002/02/24 11:33
-	3	(nakamura.in. and (blue near6 light-emitting)) and leak\$3	EPO; JPO; DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2002/02/24 11:48
-	236	((leak\$3 near4 prevent\$3) near4 (layer or film)) and light adj emitting	IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2002/02/24 11:51
-	98	((leak\$3 near4 prevent\$3) near4 (layer or film)) and light adj emitting.ti,ab.	DERWENT; IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2002/02/24 11:51
-	13	((leak\$3 near4 prevent\$3) near4 (layer or film)) and light adj emitting.ti,ab. and aluminum and nitride	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2002/02/24 11:57
-	47	((leak\$3 near4 prevent\$3) near4 (layer or film)).ti,ab. and light adj emitting.ti,ab.	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/02/24 11:58

				10000
-	5	((leak\$3 near4 prevent\$3) near4 (layer or film)).ti,ab. and light adj emitting.ti,ab. and nitride.ti,ab.	USPAT; US-PGPUB; EPO; JPO;	2002/02/24 12:46
		emitting.ti,ab. and mittide.ti,ab.	DERWENT;	
_	0	ridged adj portion near6 cladding adj	IBM_TDB USPAT;	2002/02/24 12:48
		layer	US-PGPUB; EPO; JPO;	
			DERWENT;	
_	1	ridged adj portion and light adj	IBM_TDB USPAT;	2002/02/24 13:25
	_	emitting.ti,ab. and nitride	US-PGPUB;	
			EPO; JPO; DERWENT;	
	11.6		IBM_TDB	2002/02/24 13:26
-	116	(multiple adj quantum adj well or mqw) with advantage	USPAT; US-PGPUB;	2002/02/24 13:26
		-	EPO; JPO; DERWENT;	
			IBM_TDB	
-	6	((multiple adj quantum adj well or mqw) with advantage) and (light-emitting adj	USPAT; US-PGPUB;	2002/02/24 14:02
		device or light adj emitting adj	EPO; JPO;	
		device).ti,ab.	DERWENT; IBM TDB	
_	0		USPAT;	2002/02/24 14:03
		laser adj light with (mqw or multiple adj quantum adj well)	US-PGPUB; EPO; JPO;	
		,,	DERWENT;	
_	3		IBM_TDB USPAT;	2002/02/24 14:09
		(mqw or multiple adj quantum adj well)	US-PGPUB; EPO; JPO;	
			DERWENT;	
_	0	 electric adj field adj distribution near12	IBM_TDB USPAT;	2002/02/24 14:10
_	0	(laser adj cavity)	US-PGPUB;	2002/02/24 14.10
			EPO; JPO; DERWENT;	
	_		IBM_TDB	
_	4	hayashi.in. and nitride and light adj emitting and leak\$3	USPAT; US-PGPUB;	2002/02/24 14:18
			EPO; JPO; DERWENT;	
			IBM_TDB	
-	42	current adj blocking adj (film or layer) and light adj emitting.ti,ab. and nitride	USPAT; US-PGPUB;	2002/02/24 14:19
		and aluminum	EPO; JPO;	
			DERWENT; IBM TDB	
-	20		USPĀT; US-PGPUB;	2002/02/24 14:21
		near12 strip\$3) and light adj emitting.ti,ab. and nitride and aluminum	EPO; JPO;	
			DERWENT; IBM TDB	
-	13		USPAT;	2002/02/24 14:26
		near12 strip\$3) and light adj emitting.ti,ab. and nitride and aluminum	US-PGPUB; EPO; JPO;	
		and (blue or violet)	DERWENT;	
_	6	((current adj blocking adj (film or layer)	IBM_TDB USPAT;	2002/02/24 14:35
		near12 strip\$3) near12 (window or	US-PGPUB;	
		opening)) and light adj emitting.ti,ab. and nitride and aluminum and (blue or	EPO; JPO; DERWENT;	
	_	violet)	IBM_TDB USPAT;	2002/02/24 15.20
_	0	(((current adj blocking adj (film or layer) near12 strip\$3) near12 (window or	USPAT; US-PGPUB;	2002/02/24 15:39
		opening)) near12 advantage) and light adjemitting.ti,ab.	EPO; JPO; DERWENT;	
		emiccing.ci,ab.	IBM TDB	

				1
-	37	optical adj guide adj (layer or film) near12 (contact adj layer or electrode)	USPAT; US-PGPUB;	2002/02/24 15:41
		and light adj emitting.ti,ab.	EPO; JPO;	
		and light adj emitting.ti,ab.	DERWENT;	
			IBM TDB	
_	16	optical adj guide adj (layer or film)	USPAT;	2002/02/24 16:03
		near12 (contact adj layer or electrode)	US-PGPUB;	
		and light adj emitting.ti,ab. and nitride	EPO; JPO;	
			DERWENT;	
			IBM_TDB	
-	345	(257/81).CCLS.	USPAT;	2002/02/24 16:04
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
_	796	(257/82).CCLS.	USPAT;	2002/02/24 16:04
			US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
	665	(057/04) 007.0	IBM_TDB	2002/02/24 16:04
_	665	(257/94).CCLS.	USPAT; US-PGPUB;	2002/02/24 10.04
:			EPO: JPO:	
			DERWENT;	
			IBM TDB	
_	233	(257/95).CCLS.	USPAT;	2002/02/24 16:04
	255	(2377 337 . COED.	US-PGPUB;	2002, 02, 21 20.01
			EPO; JPO;	
			DERWENT;	
			IBM TDB	
_	1332	(257/99).CCLS.	USPAT;	2002/02/24 16:04
		,,	US-PGPUB;	
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
_	922	(257/103).CCLS.	USPAT;	2002/02/24 16:04
			US-PGPUB;	
			EPO; JPO;	1
			DERWENT;	
			IBM_TDB	2000 100 101 15 01
-	1122	(372/75).CCLS.	USPAT;	2002/02/24 16:04
			US-PGPUB;	
			EPO; JPO;	
			DERWENT; IBM TDB	
	161	(257/79).CCLS.	USPAT;	2002/02/24 16:05
_	401	(237773):0000.	US-PGPUB;	2002,02,21 10.00
			EPO; JPO;	
			DERWENT;	
			IBM TDB	
_	461	(257/79).CCLS.	USPAT;	2002/02/24 16:05
		,, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	US-PGPUB;	, ,
			EPO; JPO;	
			DERWENT;	
			IBM_TDB	
_	187	(257/79).CCLS.	USPĀT	2002/02/24 16:10
_	5496	(("257/80").CCLS.) or (("257/81").CCLS.)	USPAT;	2002/02/24 16:11
		or (("257/82").CCLS.) or	US-PGPUB;	
		(("257/94").CCLS.) or (("257/95").CCLS.)	EPO; JPO;	
		or (("257/99").CCLS.) or	DERWENT;	
		(("257/103").CCLS.) or (("372/75").CCLS.)	IBM_TDB	
		or (("257/79").CCLS.) or		
		(("257/79").CCLS.)		0000/00/01 15 55
_	54	1 , , , , , , , , , , , , , , , , , , ,	USPAT;	2002/02/24 16:58
		or (("257/82").CCLS.) or	US-PGPUB;	
		(("257/94").CCLS.) or (("257/95").CCLS.)	EPO; JPO;	
		or (("257/99").CCLS.) or	DERWENT;	
		(("257/103").CCLS.) or (("372/75").CCLS.)	IBM_TDB	
		or (("257/79").CCLS.) or (("257/79").CCLS.)) and optical adj guide		
		adj (layer or film)		
	1	Lagi Haver of Flimi	t .	1

_	5	((("257/80").CCLS.) or (("257/81").CCLS.) or (("257/82").CCLS.) or (("257/94").CCLS.) or (("257/94").CCLS.) or (("257/99").CCLS.) or (("257/103").CCLS.) or (("372/75").CCLS.) or (("257/79").CCLS.) or (("257/79").CCLS.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/02/24 17:45
		(("257/79").CCLS.)) and (clad\$4 adj (layer or film) near12 disadvantage)	HODE	2002/02/24 19:02
	2	6177292.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2002/02/24 18:03
_	3	5886367.pn.	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2002/02/24 21:27
_	2	6069394.pn.	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2002/02/24 21:27
	22	(US-6258619-\$ or US-5578839-\$ or US-5777350-\$ or US-6242761-\$ or US-6084252-\$ or US-6107644-\$ or US-6172382-\$ or US-6232623-\$ or US-6054716-\$ or US-6060730-\$ or US-6307219-\$ or US-6298079-\$ or US-6072197-\$ or US-6153894-\$ or US-5874747-\$ or US-6323052-\$ or US-6281032-\$ or US-5537433-\$ or US-5886367-\$ or US-6069394-\$ or US-6083841-\$).did. or	IBM_TDB USPAT; US-PGPUB	2002/10/11 15:35
_	113	(US-20020003234-\$).did. (band adj gap or band adj energy or energy adj gap) same (ingan or gainn) same gan	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2002/10/11 15:38
_	72	(band adj gap or band adj energy or energy adj gap) same (ingan or gainn) same gan same (light-emitting or light adj emitting	IBM_TDB USPAT; US-PGPUB; EPO; JPO;	2002/10/11 15:39
		or active)	DERWENT; IBM TDB	
_	43	(band adj gap or band adj energy or energy adj gap) same (ingan or gainn) same gan same active adj layer	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/10/11 15:40
_	13	(band adj gap or band adj energy or energy adj gap) same (ingan or gainn) same gan same active adj layer same (higher or lower)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2002/10/11 16:35
-	1	gan near12 guid\$3 adj layer same (ingan or gainn) near12 active adj layer and electrode near12 guid\$3 adj layer	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2002/10/11 16:39
-	35	gan near12 guid\$3 adj layer same (ingan or gainn) near12 active adj layer	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2002/10/11 17:31
_	4479	((257/79) or (257/80) or (257/81) or (257/82) or (257/94) or (257/95) or (257/99) or (372/103)).CCLS.	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2002/10/11 17:33

_	5	(((257/79) or (257/80) or (257/81) or (257/82) or (257/94) or (257/95) or	USPAT; US-PGPUB;	2002/10/11 17:41
		(257/99) or (372/103)).CCLS.) and (optical adj guide or guid\$3 adj layer) near12	EPO; JPO; DERWENT;	
_	48	ridge (((257/79) or (257/80) or (257/81) or	IBM_TDB USPAT;	2002/10/11 17:42
		(257/82) or (257/94) or (257/95) or	US-PGPUB;	
		(257/99) or (372/103)).CCLS.) and (optical adj guide or guid\$3 adj layer) and ridge	EPO; JPO; DERWENT;	
			IBM_TDB	
_	2217	((257/79) or (257/81) or (257/99)).CCLS.	USPAT; US-PGPUB;	2002/10/12 19:40
			EPO; JPO;	
			DERWENT; IBM TDB	
-	2595	guid\$3 near1 layer and contact	USPAT;	2002/10/12 19:41
			US-PGPUB; EPO; JPO;	
			DERWENT;	
_	42	(((257/79) or (257/81) or (257/99)).CCLS.)	IBM_TDB	2002/10/12 21:18
_	42	and (guid\$3 near1 layer and contact)	USPAT; US-PGPUB;	2002/10/12 21:18
		-	EPO; JPO;	
			DERWENT; IBM TDB	
-	2	("6266355").PN.	USPAT;	2002/10/12 21:18
			US-PGPUB; EPO; JPO;	
			DERWENT;	
_	455	(257/80).CCLS.	IBM_TDB USPAT;	2002/10/13 18:36
		(,,	US-PGPUB;	2002, 10, 10 10.00
			EPO; JPO; DERWENT;	
	4400		IBM_TDB	
-	4439	ridge near12 thickness	USPAT; US-PGPUB;	2002/10/13 18:37
			EPO; JPO;	
			DERWENT; IBM TDB	
-	87	ridge near12 thickness and 257/\$6.ccls.	USPĀT;	2002/10/13 18:38
			US-PGPUB; EPO; JPO;	
			DERWENT;	
-	125	ridge near12 (thickness or thick) and	IBM_TDB USPAT;	2002/10/13 18:56
		257/\$6.ccls.	US-PGPUB;	
			EPO; JPO; DERWENT;	
	0.1	(WG 5050000 A	IBM_TDB	
-	21	(US-5960020-\$ or US-6232623-\$ or US-6278137-\$ or US-6316785-\$ or	USPAT; US-PGPUB;	2002/10/13 18:58
		US-5696626-\$ or US-5455433-\$ or	EPO; JPO	
		US-5581116-\$ or US-4510519-\$ or US-4575919-\$ or US-4961197-\$ or		
		US-5418374-\$).did. or (US-20020084452-\$ or		
		US-20020125488-\$ or US-20010010373-\$ or US-20010010941-\$ or US-20010035532-\$ or		
		US-20020003234-\$ or US-20020024052-\$ or		
		US-20020053676-\$).did. or	1	

-	21		USPAT;	2002/10/13 19:32
1		US-6278137-\$ or US-6316785-\$ or	US-PGPUB;	, , , , , , , , , , , , , , , , , , , ,
		US-5696626-\$ or US-5455433-\$ or	EPO; JPO	
		US-5581116-\$ or US-4510519-\$ or		
		US-4575919-\$ or US-4961197-\$ or		
		US-5418374-\$).did. or (US-20020084452-\$ or		
		US-20020125488-\$ or US-20010010373-\$ or		
		US-20010010941-\$ or US-20010035532-\$ or		
1		US-20020003234-\$ or US-20020024052-\$ or		
	1	US-20020053676-\$).did. or		
		(EP-525779-\$).did. or		
		(JP-61042179-\$).did.) and (thickness or		
		thick) near12 ridge		
-	89		HODAM	0000410410
		near6 ridge	USPAT;	2002/10/13 19:31
			US-PGPUB;	
-	2	((US-5960020-\$ or US-6232623-\$ or	EPO; JPO	
	1	US-6278137-\$ or US-6316785-\$ or	USPAT;	2002/10/13 19:52
		US-5696626-\$ or US-5455433-\$ or	US-PGPUB;	
		US-5581116-\$ or US-4510519-\$ or	EPO; JPO	
		US-4575010 6 or US-4510519-5 or		
İ		US-4575919-\$ or US-4961197-\$ or		
		US-5418374-\$).did. or (US-20020084452-\$ or		
	1	US-20020125488-\$ or US-20010010373-\$ or		
		US-20010010941-\$ or US-20010035532-\$ or	1	
ĺ		US-20020003234-\$ or US-20020024052-\$ or		
		US-20020053676-\$).did. or		
		(EP-525779-\$).did. or		
		(JP-61042179-\$).did.) and (".mu.m" or		
	_	micron or nm) near12 ridge		
_	7	257/\$6.ccls. and (purpose or advantage)	USPAT;	2002/10/13 20:01
		near3 ridge	US-PGPUB;	= = = = = = = = = = = = = = = = = = =
	ĺ		EPO; JPO;	
			DERWENT;	
			IBM TDB	
-	14	257/\$6.ccls. and ridge.ti.	USPAT;	2002/10/13 20:04
			US-PGPUB;	2002/10/13 20:04
			EPO; JPO;	
	1		DERWENT;	
			IBM TDB	
-	16	257/\$6.ccls. and (ridge and	USPAT;	2002/10/12 00 5-
		(light-emitting or light adj	US-PGPUB;	2002/10/13 20:06
	[emitting)).ti,ab.		
		J. , , ,	EPO; JPO;	
			DERWENT;	
		· · · · · · · · · · · · · · · · · · ·	IBM TDB	